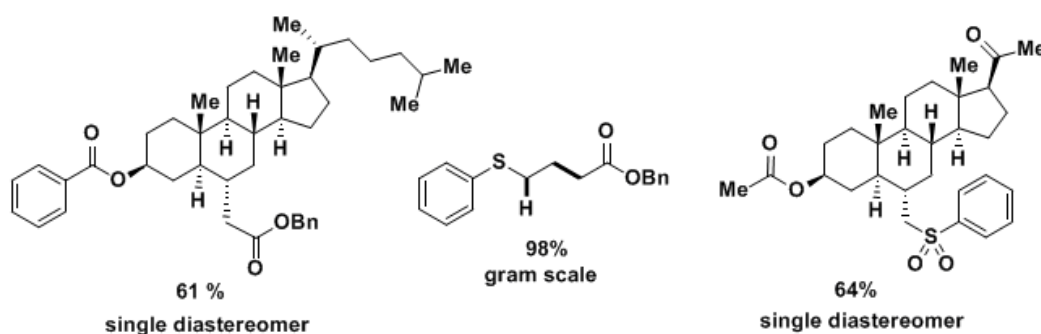
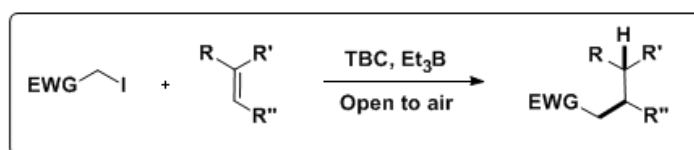


Catechol Mediated Intermolecular Carbohydrogenation of Terminal and Non-Terminal AlkenesS. R. Suravarapu¹, S. Rieder¹, G. Povie¹, P. Renaud^{1*}¹University of Bern

A few years ago, we have reported a radical chain reduction of organoboranes to alkanes with a very inexpensive 4-*tert*-butylcatechol under very mild conditions ^[1]. More recently, we have extended this procedure for the efficient deiodination of alkyl iodides with a mixture of 4-*tert*-butylcatechol and triethylborane ^[2]. Herein, we disclose that this reagent can be used for amazingly efficient carbohydrogenation of terminal and even non-terminal alkenes.



[1] Giorgio Villa, Guillaume Povie, Philippe Renaud, J. Am. Chem. Soc, **2011**, 133, 5913-5920.

[2] Guillaume Povie, Leigh Ford, Davide Pozzi, Valentin Soulard, Giorgio Villa, *manuscript submitted*.